

TINA-RS

~13° spot beam optimized for Nichia NS6x83.
Assembly with holder and installation tape.

SPECIFICATION:

Dimensions	Ø 16.1
Height	11.1 mm
Fastening	tape
ROHS compliant	yes ⓘ

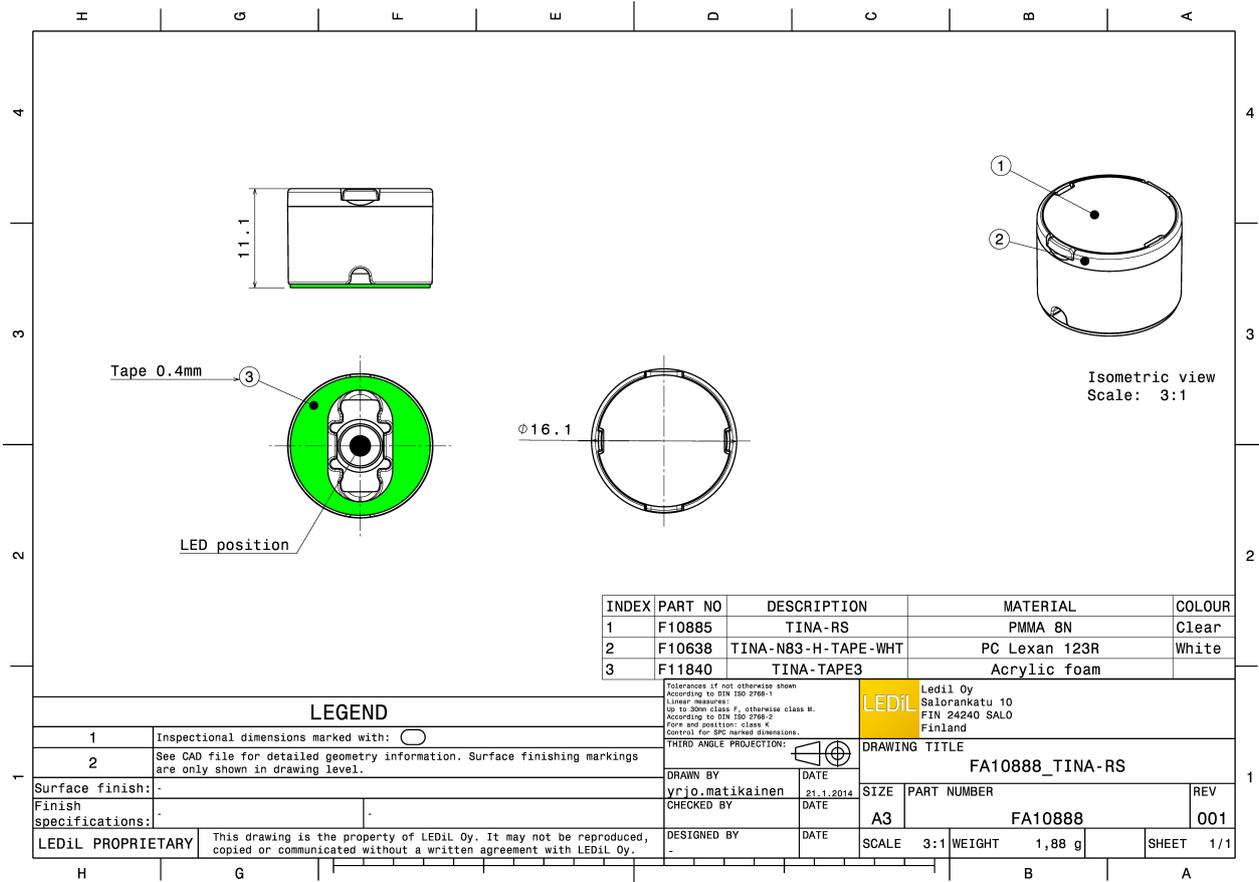


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA-N83-H-TAPE-WHT	Holder	PC	white		
TINA-RS	Single lens	PMMA	clear		
TINA-TAPE3	Tape	Acryl tape	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FA10888_TINA-RS » Box size: 470 x 240 x 105 mm	2016	288	144	4.1

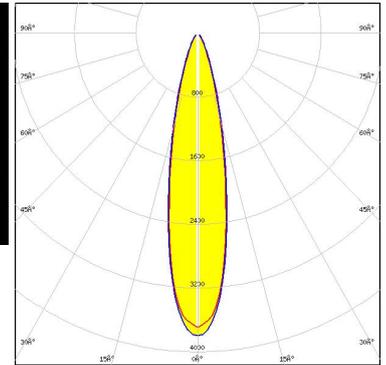


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



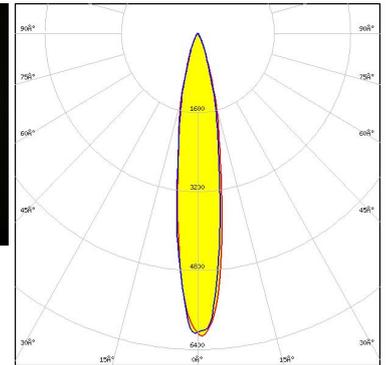
LED MX-6
FWHM / FWTM 14.0° / 36.0°
Efficiency 93 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



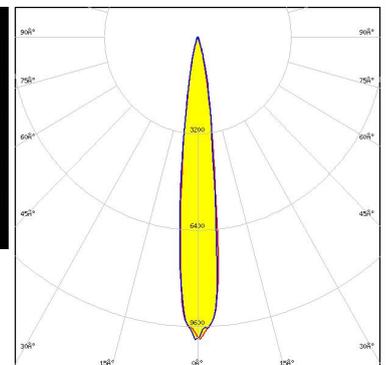
LED NS6x83
FWHM / FWTM 17.0° / 39.0°
Efficiency 94 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED TL1L4
FWHM / FWTM 13.0° / 28.0°
Efficiency 90 %
Peak intensity 10 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

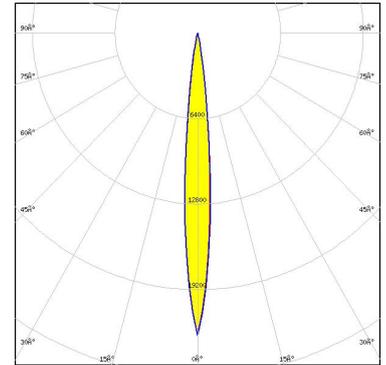


Light distribution files

OPTICAL RESULTS (SIMULATED):



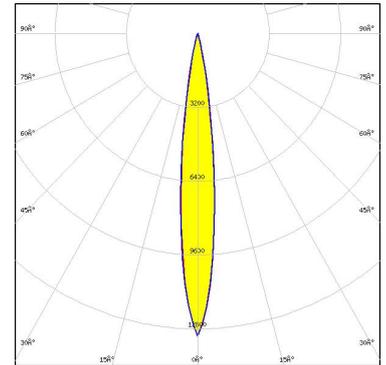
LED XP-E2
FWHM / FWTM 10.0° / 20.0°
Efficiency 92 %
Peak intensity 22.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



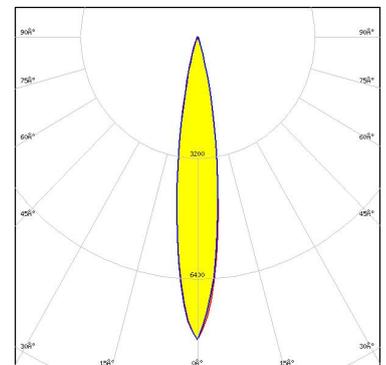
LED XP-G2
FWHM / FWTM 14.0° / 25.0°
Efficiency 92 %
Peak intensity 13.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G3
FWHM / FWTM 16.0° / 32.0°
Efficiency 89 %
Peak intensity 8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

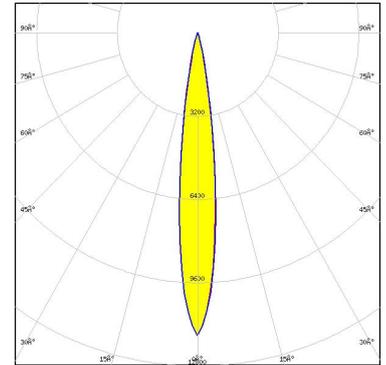


Light distribution files

OPTICAL RESULTS (SIMULATED):



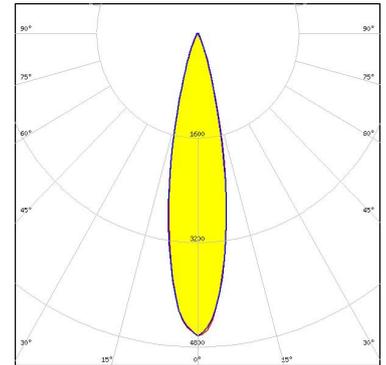
LED XP-L HI
FWHM / FWTM 14.0° / 26.0°
Efficiency 93 %
Peak intensity 11.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



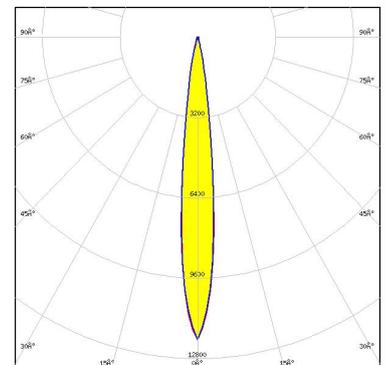
LED XP-L2
FWHM / FWTM 22.0° / 41.0°
Efficiency 89 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XT-E
FWHM / FWTM 12.0° / 24.0°
Efficiency 86 %
Peak intensity 12.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

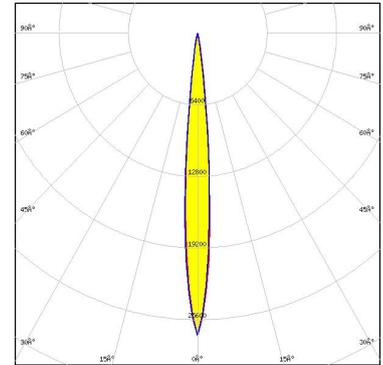


Light distribution files

OPTICAL RESULTS (SIMULATED):



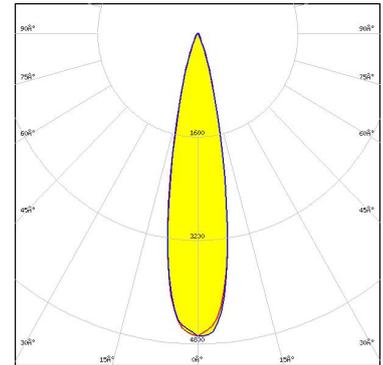
LED LUXEON CZ
FWHM / FWTM 10.0° / 18.0°
Efficiency 92 %
Peak intensity 27 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files



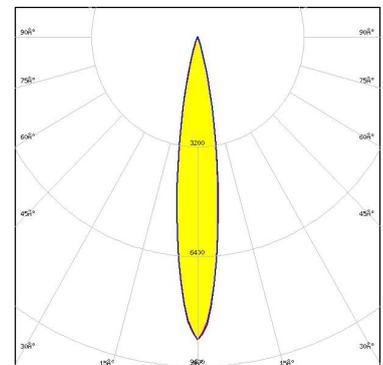
LED NV4WB35AM
FWHM / FWTM 22.0° / 40.0°
Efficiency 90 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW219F-V2
FWHM / FWTM 16.0° / 30.0°
Efficiency 92 %
Peak intensity 8.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

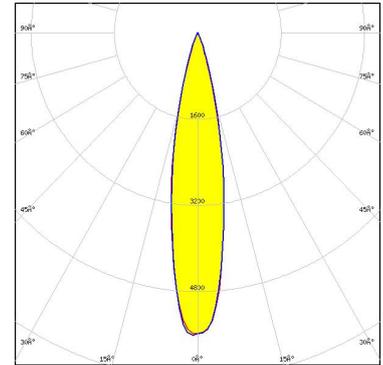


Light distribution files

OPTICAL RESULTS (SIMULATED):



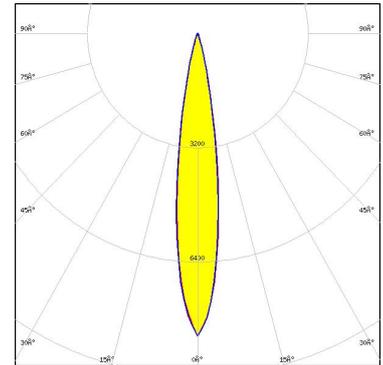
LED NVSW519A
 FWHM / FWTM 20.0° / 37.0°
 Efficiency 88 %
 Peak intensity 5.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



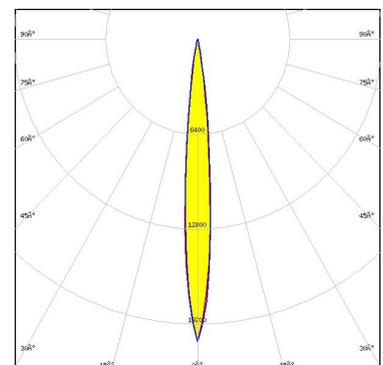
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 88 %
 Peak intensity 8.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSOLON Black
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 89 %
 Peak intensity 20.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

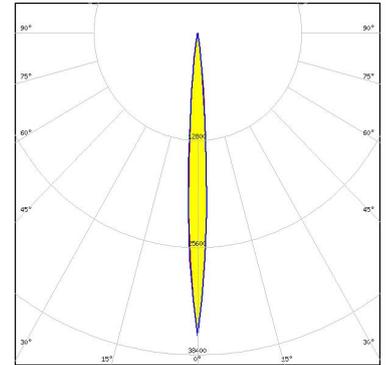


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

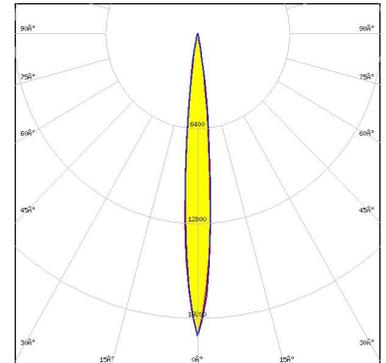
LED OSLON Black Flat S (KW HHL533.TK)
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 89 %
 Peak intensity 36.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

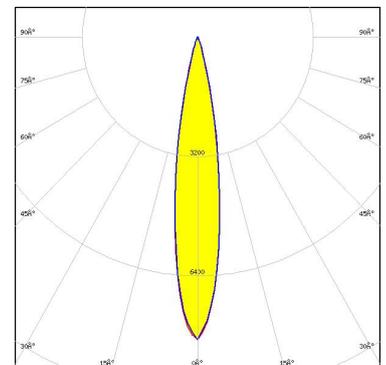
LED SFH 4716AS
 FWHM / FWTM 11.0° / 21.0°
 Efficiency 90 %
 Peak intensity 17.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

LED LH351C
 FWHM / FWTM 18.0° / 32.0°
 Efficiency 94 %
 Peak intensity 8.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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